

**AMENDMENTS TO CLAIMS:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1-45 (Canceled)

46. (New) A logo data generating method for creating printable logo data to be printed by a printer having a first number of printable colors, comprising:

a step for obtaining original source data having a second number of colors, said second number being greater than said first number;

a display step for displaying a first image representation of said original source data; wherein

if said second number of colors is greater than a predefined intermediate number of colors, then applying a first color changing step for changing the number of colors of said original source data from said second number of colors to said intermediate number of colors, and then applying a second color changing step different from said first color changing step for changing the number of colors of said original source data from said intermediate number to a number not greater than said first number.

47. (New) The logo data generating method of claim 46, wherein the original source data is displayed after said first color changing step and prior to said second color changing step.

48. (New) The logo data generating method of claim 47, wherein the original source data is displayed as said first image representation after said first color changing step.

49. (New) The logo data generating method of claim 46, wherein said intermediate number is smaller than said first number of printable colors.

50. (New) The logo data generating method of claim 49, wherein each of said intermediate number of colors is defined by an n-bit number and each of said first number of printable colors is defined by an m-bit number, wherein m is

greater than  $n$  so as to provide an upward color-bit-conversion in said second color changing step following a downward color-bit-conversion in said first color changing step.

51. (New) The logo data generating method of claim 49, wherein:

said printer prints pixels consisting of a set number of printable dots, each printable dot being assigned a color defined by a number of ink sources available to said printer and by a color of a printing medium on which said printer prints;

said first number of printable colors being defined by the number of distinct color combinations assignable to the printable dots comprising one pixel, as limited by the number of said ink sources and the color of said printing medium.

52. (New) The logo data generating method of claim 51, wherein said second color changing step includes separately assigning each of said intermediate number of colors any one of the first number of printable colors.

53. (New) The logo data generating method of claim 52, wherein said printable colors are assigned to each intermediate number of colors on a sliding scale defining a density of any one color over another.

54. (New) The logo data generating method of claim 46, wherein said intermediate number is greater than said first number of printable colors.

55. (New) The logo data generating method of claim 54, wherein the first number of printable colors is defined by the printer's number of ink sources plus a color of the printer's printing medium.

56. (New) The logo data generating method of claim 55, wherein said second color changing step assigns one of said printable colors to each of the intermediate number of colors.

57. (New) The logo data generating method of claim 55, wherein said intermediate number is eight and said first number is 3.

58. (New) A logo data generating method for creating printable logo data, comprising:

- a step for obtaining original source data;

- a display step for displaying a first image representation of said original source data;

- a first user-submitted image processing step for requesting a change in the number of colors of said original source data;

- a second user-submitted image processing step for requesting a change in the size of said original source data;

wherein in response to said first and second user-submitted image processing steps, the request for a change in the size of said original source data is executed prior to execution of the request for a change in the number of colors of said original source data.

59. (New) The logo data generating method of claim 58, wherein the requested change in the number of colors of said original source data is a request for a reduction in the number of colors of said original source data, and the requested change in the size of said original source data is a request for a reduction in the size of said original source data.

60. (New) A logo data generating method for creating printable logo data, comprising:

- a width identifying step for identifying a width dimension of a printable medium on which said printable logo data is to be printed;

- a step for obtaining original source data;

- an automatic size adjustment step for automatically resizing said source data to a predefined maximum width not greater than the width dimension of said printable medium prior to any user-submitted image processing steps;

- a display step for displaying a first image representation of said original source data.

61. (New) The logo data generating method of claim 60, further comprising:

- a first user-submitted image processing step for requesting a change in the number of colors of said original source data;

a second user-submitted image processing step for requesting a change in the size of said original source data;

wherein in response to said first and second user-submitted image processing steps, the request for a change in the size of said original source data is executed prior to execution of the request for a change in the number of colors of said original source data.

62. (New) The logo data generating method of claim 61, wherein said change in the number of colors of said original source data is a reduction in the number of colors of said original source data, and said change in the size of said original source data is a reduction in the size of said original source data.

63. (New) A logo data generating system for creating printable logo data to be printed by a printer having a first number of printable colors, comprising:

a source data capture means for obtaining original source data having a second number of colors, said second number being greater than said first number;

a display for displaying a first image representation of said original source data; wherein

if said second number of colors is greater than a predefined intermediate number of colors, then said system applies a first color changing routine for changing the number of colors of said original source data from said second number to said intermediate number, and then applies a second color changing routine different from said first color changing routine for changing the number of colors of said original source data from said intermediate number to a number not greater than said first number.

64. (New) The logo data generating system of claim 63, wherein the original source data is displayed after said first color changing routine and prior to said second color changing routine.

65. (New) The logo data generating system of claim 64, wherein the original source data is displayed as said first image representation after said first color changing routine.

66. (New) The logo data generating system of claim 63, wherein said intermediate number is smaller than said first number of printable colors.

67. (New) The logo data generating system of claim 66, wherein each of said intermediate number of colors is defined by an n-bit number and each of said first number of printable colors is defined by an m-bit number, wherein m is greater than n so as to provide an upward color-bit-conversion in said second color changing routine following a downward color-bit-conversion in said first color changing routine.

68. (New) The logo data generating system of claim 66, wherein:

said printer prints pixels consisting of a set number of printable dots, each printable dot being assigned a color defined by a number of ink sources available to said printer and by a color of a printing medium on which said printer prints;

said first number of printable colors being defined by the number of distinct color combinations assignable to the printable dots comprising one pixel, as limited by the number of said ink sources and the color of said printing medium.

69. (New) The logo data generating system of claim 68, wherein said second color changing routine includes separately assigning each of said intermediate number of colors any one of the first number of printable colors.

70. (New) The logo data generating system of claim 69, wherein said printable colors are assigned to each intermediate number of colors on a sliding scale defining a density of any one color over another.

71. (New) The logo data generating system of claim 63, wherein said intermediate number is greater than said first number of printable colors.

72. (New) The logo data generating system of claim 71, wherein the first number of printable colors is defined by the printer's number of ink sources plus a color of the printer's printing medium.

73. (New) The logo data generating system of claim 72, wherein said second color changing routine assigns one of said printable colors to each of the intermediate number of colors.

74. (New) The logo data generating system of claim 72, wherein said intermediate number is eight and said first number is 3.

75. (New) A logo data generating system for creating printable logo data, comprising:

- a source data capture means for obtaining original source data;

- a display for displaying a first image representation of said original source data;

- a first parameter input means for receiving a first user-submitted image processing request for a change in the number of colors of said original source data;

- a second parameter input means for receiving a second user-submitted image processing request for a change in the size of said original source data;

- wherein in response to said first and second user-submitted image processing requests, the request for a change in the size of said original source data is executed prior to execution of the request for a change in the number of colors of said original source data.

76. (New) The logo data generating system of claim 75, wherein the requested change in the number of colors of said original source data is a request for a reduction in the number of colors of said original source data, and the requested change in the size of said original source data is a request for a reduction in the size of said original source data.

77. (New) A logo data generating system for creating printable logo data, comprising:

- a parameter capture means for identifying a width dimension of a printable medium on which said printable logo data is to be printed;

- a source data capture means for obtaining original source data;

an automatic size adjustment means for automatically resizing said source data to a predefined maximum width not greater than the width dimension of said printable medium prior to accepting any user-submitted image processing steps;

display for displaying a first image representation of said original source data.

78. (New) The logo data generating system of claim 77, further comprising:

a first parameter input means for accepting a first user-submitted image processing request for a change in the number of colors of said original source data;

a second parameter input means for accepting a second user-submitted image processing request for a change in the size of said original source data;

wherein in response to said first and second user-submitted image processing requests, the request for a change in the size of said original source data is executed prior to execution of the request for a change in the number of colors of said original source data.

79. (New) The logo data generating system of claim 78, wherein said change in the number of colors of said original source data is a reduction in the number of colors of said original source data, and said change in the size of said original source data is a reduction in the size of said original source data.